

FIGURE 1

FIGURE 2

Working process	Phase relation of devices A and B in an action cycle							
	Forward stroke of piston				Backward stroke of piston			
	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7	Stage 8
Conveying	uniform	decelerated	idle	accelerated	uniform	decelerated	idle	accelerated
state of	speed	motion	state	motion	speed	motion	state	motion
device A								
Conveying	idle	accelerated	uniform	decelerated	idle	accelerated	uniform	decelerated
state of	state	motion	speed	motion	state	motion	speed	motion
device B					,			

FIGURE 3